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Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/035,413

Applicant(s)

BALLARD ET AL.

Examiner

Ryan F Pitaro

Art Unit

2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 28 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 4-73 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 4-73 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 07/01/2002.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

1. Claims 1-3 have been cancelled.
2. Claims 4-73 have been examined.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 4-73 are rejected under 35 U.S.C. 103(a) as being unpatentable over Anuff et al ("Anuff", US# 6,327,628) and Forms in HTML documents ("Forms").

As per independent claim 4, Anuff discloses a customizable application system comprising: an internet application system configured to support an internet application (Column 3 lines 1-11), the internet application associated with metadata (Column 7 lines 5-8) configured for use in generating an application user interface including a user interface element (figure 2 item 26), the internet application system including: a) a user interface generator configured to generate the application user interface using the metadata (Column 3 lines 42-47), and b) a web application server configured to deliver the application user interface to a client (Figure 8; *Webserver*); an application development system configured to generate the metadata (Column 6 lines 35-40), a configuration system including a configuration engine and a configuration interface, the configuration interface configured to modify configuration data further characterizing the

customizable immediate access keystroke combination; and a data repository including a data record for storing the configuration data (Column 5 lines 53-59), the data record being accessible using the metadata (Column 3 lines 58-67). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15) configured by the metadata. Therefore it would have been obvious to an artisan at the time of the invention to combine the system of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per independent claim 5, Anuff discloses an application development system for developing an internet application having an application user interface (Column 3 lines 1-11) the application, development system comprising: an integrated development environment (Column 6 lines 51-58) configured for specifying a user interface element in the application user interface (Column 7 lines 5-8, 10-12), and an application designer configured to produce metadata to characterize the customizable immediate access keystroke combination (Column 7 lines 17-20). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the system of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 6, which is dependent on claim 5, Anuff-Forms teaches a system wherein the immediate access keystroke combination is a hotkey keystroke combination (Forms, Page 17 lines 8-15, 21-23; *access key = "U"*).

As per claim 7, which is dependent on claim 5, Anuff-Forms teaches a system wherein the immediate access keystroke combination is responsive to the identity of a user (Anuff, Column 4 lines 7-12).

As per independent claim 8, Anuff discloses a customizable application system for developing an application user interface associated with an internet application comprising: an integrated development environment configured for a developer to specify a user interface element in the application user interface (Column 7 lines 5-8, 10-12), an application designer configured to produce metadata characterizing the user customizable immediate access keystroke combination (Column 7 lines 17-20); and a data repository including a data record accessible using the metadata (Column 3 lines 58-67), the data record being user modifiable and being configured to store data used to further characterize the customizable immediate access keystroke combination (Column 13 lines 39-41). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the system of Anuff with the teaching of Forms Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 9, which is dependent on claim 8, Anuff-Forms discloses a system wherein the user customizable immediate access keystroke combination is a hotkey keystroke combination (Forms, Page 17 lines 8-15, 21-23).

As per claim 10, which is dependent on claim 8, Anuff-Forms discloses a system wherein the user customizable immediate access keystroke combination is configurable according to the identity of a user (Anuff, Column 4 lines 7-12).

As per claim 11, which is dependent on claim 8, Anuff-Forms discloses a system wherein the data record is user modifiable using a configuration system (Anuff, Column 5 lines 53-56).

As per claim 12, which is dependent on claim 8, Anuff-Forms discloses a system wherein the data record is user modifiable using a personalization system (Anuff, Column 13 lines 25-31).

As per claim 13, which is dependent on claim 12, Anuff-Forms discloses a system, wherein the personalization system is integrated into the internet application (Anuff, Column 13 lines 25-31).

As per independent claim 14, Anuff discloses an application execution system comprising: an internet application system configured to support an Internet application, the internet application system including a query processor configured to query a data repository (Figure 3; SQL), the data repository including a user modifiable data record configure to store data (Column 13 lines 26-29,39-41); an application user interface including a user interface element (Column 7 lines 5-8,10-12), the application user interface configured as an interface between the internet application and a user

(Column 3 lines 19-23), the user interface element including the user customizable immediate access keystroke combination, the user interface element configured for delivery to a client over a computer network (Column 3 lines 4-13), and metadata further characterizing the customizable immediate access keystroke combination (Column 13 lines 3-6). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the system of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 15, which is dependent on claim 14, Anuff-Forms discloses a system wherein the client supports the application user interface using standard web browser protocols (Anuff, Column 3 lines 13-17).

As per claim 16, which is dependent on claim 14, Anuff-Forms discloses a system wherein the client supports the application user interface using features of a web browser, the features not requiring a browser add-on, plug-in, or extension (Anuff, Column 3 lines 13-17).

As per claim 17, which is dependent on claim 14, Anuff-Forms discloses a system further including a personalization system configured to modify the user modifiable data record (Anuff, Column 13 lines 26-29).

As per claim 18, which is dependent on claim 17, Anuff-Forms discloses a system wherein the personalization system is included in the internet application (Anuff, Column 13 lines 25-31).

As per independent claim 19, Anuff discloses an internet application system comprising: a user interface generator configured to generate a user interface including a user interface element (Column 13 lines 53-57), the user interface being compatible with a standard web browser (Column 13 lines 53-54) and being generated in response to a request from a user (Column 13 lines 21-23), a web application server configured to deliver the user interface to a client Figure 8; and an internet application accessible to the user through the generated user interface (Column 13 lines 53-65). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the system of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 20, which is dependent on claim 19, Anuff-Forms discloses a system wherein the user interface generator is further configured to use metadata to characterize the user customizable immediate access keystroke combination (Anuff, Column 7 lines 17-20).

As per claim 21, which is dependent on claim 19, Anuff-Forms discloses a system wherein the user customizable immediate access keystroke combination is a hotkey keystroke combination (Forms, Page 17 lines 8-15, 21-23).



As per claim 22, which is dependent on claim 19, Anuff-Forms discloses a system wherein the user interface generator is further configured to use a user modifiable data record to characterize the user customizable immediate access keystroke combination (Column 13 lines 39-41).

As per claim 23, which is dependent on claim 19, Anuff-Forms discloses a system further including means for accessing a user-modifiable data record including data characterizing the user customizable immediate access keystroke combination (Anuff, Column 13 lines 25-31).

As per claim 24, which is dependent on claim 19, Anuff-Forms discloses a system wherein the internet application includes a configuration system configured to modify data characterizing the user customizable immediate access keystroke combination (Anuff, Column 6 lines 50-58).

As per claim 25, which is dependent on claim 19, Anuff-Forms fails to disclose a system wherein the client is a wireless system. However, Official Notice is taken that wireless systems are well known in the art as a suitable communication means. Therefore it would have been obvious to an artisan at the time of the invention to combine the system of Anuff-Forms with the current teaching. Motivation to do so would have been to provide a way of communicating with the network so that the client is more mobile.

As per claim 26, which is dependent on claim 19, Anuff-Forms discloses a system wherein the client is a programmable device configured to support standard web browser protocols (Anuff, Column 13 lines 53-57).

As per independent claim 27, Anuff discloses an application comprising: an application user interface (Column 13 lines 53-55) the application user interface configured for delivery to a client and configured to operate as an interface between a user and the internet application (Column 13 lines 53-57); a user modifiable data record stored in a location physically remote from the client (Column 13 lines 39-41), the user modifiable data record configurable for use by a user interface generator to generate the application user interface (Column 13 lines 39-41), the user modifiable data record further configurable (Column 13 lines 60-65); and metadata configurable for use by the user interface generator to access the user modifiable data record (Column 14 lines 3-6). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the application of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 28, which is dependent on claim 27, Anuff-Forms discloses an application, wherein the user customizable immediate access keystroke combination is a hotkey keystroke combination (Forms, Page 17 lines 10-15,21-23).

As per claim 29, which is dependent on claim 28, Anuff-Forms discloses an application, wherein the user modifiable data record is further configurable such that generation of the application user interface is responsive to an identity of the client (Anuff, Column 13 lines 25-29).

As per claim 30, which is dependent on claim 27, Anuff-Forms discloses an application, wherein the user modifiable data record is configurable using a configuration interface (Anuff, Column 6 lines 50-58).

As per claim 31, which is dependent on claim 27, Anuff-Forms discloses a an application, wherein the user modifiable data record is further configurable such that generation of the application user interface is responsive to an identity of the user (Anuff, Column 13 lines 39-41).

As per independent claim 32, Anuff discloses an application user interface between a user and an internet application (Column 13 lines 53-55), the application user interface including a user interface element (Figure 2), the application user interface being generated using metadata and being configured for display using a standard web browser (Column 13 lines 53-57; metadata being modules), the metadata being configured to access the user modifiable data record (Column 14 lines 3-6). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the interface of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 33, which is dependent on claim 32, Anuff-Forms discloses an application user interface, wherein the metadata being configured to access the user

modifiable data record is responsive to an identity of a client or an identity of the user (Anuff, Column 13 lines 39-41).

As per claim 34, which is dependent on claim 32, Anuff-Forms discloses an application user interface, wherein the customizable immediate access keystroke combination is a hotkey keystroke combination (Forms, Page 17 lines 8-15, 21-23).

As per independent claim 35, Anuff discloses a method of developing a customizable user interface element for inclusion in an application user interface, the method comprising the steps of developing a user interface element; specifying a customizable property of the user interface element (Column 14 lines 3-6), determining a data record for holding a value (Column 13 lines 25-26,39-41), the data record being stored in a data repository and being user modifiable (Column 13 lines 25-26,39-41), the data repository being physically remote from a client used to display the application user interface (Column 13 lines 25-30), the application user interface being for accessing an internet application (Column 13 lines 53-60); generating metadata further characterizing (Column 14 lines 3-6), the metadata including a reference to the data record; and storing the metadata in association with the user interface element (Column 13 lines 60-65). Anuff fails to distinctly point specifying a customizable property wherein the property is a user customizable immediate access keystroke combination. However, Forms teaches specifying a user element with a customizable property being an immediate access keystroke combination (Page 17 lines 8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the method of Anuff

with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 36, which is dependent on claim 35, Anuff-Forms discloses a method, wherein the user customizable immediate access keystroke combination is a hotkey keystroke combination (Forms, Page 17 lines 8-15, 21-23).

As per claim 37, which is dependent on claim 36, Anuff-Forms discloses a method, wherein the step of specifying a customizable property is performed using an integrated development environment (Anuff, Column 6 lines 51-58).

As per claim 38, which is dependent on claim 36, Anuff-Forms discloses a method, wherein the internet application includes a configuration system configured to modify the data record (Anuff, Column 13 lines 60-65).

As per independent claim 39, Anuff discloses a method of generating a customizable application user interface, the method comprising the steps of: accessing a page definition (Column 13 lines 39-41), the page definition including metadata for characterizing (Column 13 lines 60-65); accessing a data record using the metadata (Column 14 lines 3-6), the data record being stored in a data repository and being user modifiable (Column 13 lines 25-26,39-41), the data repository being physically remote from a client used to display the; user customizable application user interface (Column 13 lines 26-31;*cookies, portal server shows remoteness*); determining a value for characterizing using information stored in the data record; generating markup-language responsive to the determined value (Column 14 lines 3-6); and including the generated markup-language in an application user interface (Column 14 lines 3-6). Anuff fails to

distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15). Forms also teaches determining a value characterizing the keystroke (Page 17 lines 8-15; *access key="U"*). Therefore it would have been obvious to an artisan at the time of the invention to combine the method of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 40, which is dependent on claim 39, Anuff-Forms discloses a method, wherein the customizable application user interface is a user interface to an internet application (Anuff, Column 13 lines 23-25).

As per claim 41, which is dependent on claim 40, Anuff-Forms discloses a method, further including a step of modifying the data record using a configuration system (Anuff, Column 13 lines 60-65).

As per claim 42, which is dependent on claim 40, Anuff-Forms discloses a method, wherein the step of accessing a data record using the metadata is responsive to the identity of a user (Anuff, Column 13 lines 39-41).

As per claim 43, which is dependent on claim 40, Anuff-Forms discloses a method, wherein the user customizable immediate access keystroke combination is a hotkey keystroke combination (Forms 17 lines 8-15,21-23).

As per independent claim 44, Anuff discloses a method developing an HTML based interface between a user and an application, the method comprising the steps of: selecting a user interface element, the user interface element associating the user

interface element with a data record (Column 13 lines 25-26,39-41), the data record being stored in a data repository and being user modifiable (Column 13 lines 55-60); including the user interface element in the interface (Figure 3); generating metadata for characterizing (Column 13 lines 60-65), the metadata being for accessing the data record; and storing the metadata in association with the application (Column 13 lines 25-26,39-41). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches selecting a customizable immediate access keystroke combination (Page 17 lines 8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the method of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 45, which is dependent on claim 44, Anuff-Forms discloses a method, wherein the application is an internet application (Anuff, Column 13 lines 23-25).

As per claim 46, which is dependent on claim 45, Anuff-Forms discloses a method, wherein the metadata is configured to access the data record responsive to an identity of a user of the application (Anuff, Column 13 lines 39-41).

As per claim 47, which is dependent on claim 45, Anuff-Forms discloses a method, wherein the customizable immediate access keystroke combination is a hotkey keystroke combination (Forms, Page 17 lines 8-15, 21-23).

As per independent claim 48, Anuff discloses a method of customizing in an HTML based application user interface (Column 14 lines 3-6) for accessing an internet

application (Column 13 lines 55-57), the method comprising the steps of: accessing a configuration system, the configuration system including a configuration engine and a configuration interface (Column 13 lines 60-65); selecting, using the configuration interface, the immediate access keystroke combination being user customizable; and specifying configuration data using the configuration interface (Column 13 lines 60-65), the configuration data characterizing (Column 13 lines 55-57) and the configuration data being stored in a data repository physically remote from a client used to display the HTML based application user interface (Column 13 lines 25-26,39-41;*wherein layout object and user object are stored in the db*). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the method of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 49, which is dependent on claim 48, Anuff-Forms discloses a method, wherein the immediate access keystroke combination is a hotkey keystroke combination (Forms, Page 17 lines 8-15,21-23).

As per claim 50, which is dependent on claim 48, Anuff-Forms discloses a method, wherein configuration data is configured to characterize the immediate access keystroke combination responsive to an identity of a user of the internet application (Anuff, Column 13 lines 25-29,39-41).



As per claim 51, which is dependent on claim 48, Anuff-Forms discloses a method, further including a step of modifying the configuration data using a personalization system (Column 13 lines 25-29,39-41).

As per claim 52, which is dependent on claim 48, Anuff-Forms discloses a method, wherein the HTML based application user interface is displayed at the client without requiring a browser add-on, plug-in, or extension (Anuff, Column 13 lines 53-55;*wherein standard HTML does not need any additional software other than the browser*).

As per independent claim 53, Anuff discloses a method of customizing in an application user interface, the method comprising the steps of: accessing a configuration system, the configuration system including a configuration engine and a configuration interface (Column 13 lines 60-65); selecting, using the configuration interface (Column 13 lines 60-65), a; specifying configuration data using the configuration interface (Column 3 lines 60-65), the configuration data characterizing the immediate access keystroke combination (Column 13 lines 55-57); and generating the application user interface using the specified configuration data, the application user interface being; associated with an internet application (Column 14 lines 3-6). ). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the method of Anuff with the teaching of Forms. Motivation to

do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 54, which is dependent on claim 53, Anuff-Forms discloses a method, further including a step of displaying the application user interface using standard web browser protocols (Anuff, Column 13 lines 53-55).

As per claim 55, which is dependent on claim 53, Anuff-Forms discloses a method, wherein the immediate access keystroke combination is a hotkey keystroke combination (Forms, Page 17 lines 8-15, 21-23).

As per independent claim 56, Anuff discloses a method executing an Internet application comprising the steps of: receiving a request for an application user interface from a client (Column 13 lines 25-31), the application user interface including a user interface element (Figure 2); accessing a page definition (Column 13 lines 39-41), the page definition including metadata characterizing the requested application user interface (Column 13 lines 60-65); retrieving, using the metadata, Column 14 lines 3-6) a value characterizing, the value being stored in a data repository physically remote from the client (Column 13 lines 25-26,39-41); generating HTML responsive to the retrieved value (Column 14 lines 3-6); including the generated HTML in the requested application user interface (Column 14 lines 3-6); and delivering the requested user interface to the client, the requested application user interface being an interface between a user and the internet application (Column 13 lines 53-57). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines

8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the method of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 57, which is dependent on claim 56, Anuff-Forms discloses a method, wherein the user customizable immediate access keystroke combination is a hotkey keystroke combination (Forms, Page 17 lines 8-15).

As per claim 58, which is dependent on claim 56, Anuff-Forms discloses a method, wherein the retrieved value is personalization data (Anuff, Column 13 lines 25-31).

As per claim 59, which is dependent on claim 56, Anuff-Forms discloses a method, further including a step of displaying the application user interface on the client using standard web browser protocols (Anuff, Column 13 lines 53-55).

As per claim 60, which is dependent on claim 56, Anuff-Forms discloses a method, further including the step of identifying the requestor, wherein the step of retrieving a value is responsive to the identity of the requester (Anuff, Column 13 lines 26-28).

As per claim 61, which is dependent on claim 56, Anuff-Forms discloses a method, wherein the step of retrieving a value is responsive to inclusion of the application user interface in an application component (Column 14 lines 3-6).

As per independent claim 62, Anuff discloses a method of generating an application user interface, the method comprising the steps of: accessing a page definition (Column 13 lines 39-41), the page definition including metadata (Column 13

lines 60-65); reading data from a data record using the metadata (Column 14 lines 3-6), the data record being stored in a data repository and being user modifiable (Column 13 lines 25-26, 39-41), the data repository being physically remote from a client used to display the application user interface (Column 13 lines 25-26, 39-41); determining a value using the data read from the data record (Column 13 lines 39-41); generating HTML responsive to the determined value (Column 14 lines 3-6); and including the generated HTML in the application user interface, the application user interface being for accessing an internet application (Column 14 lines 3-6). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15).

Therefore it would have been obvious to an artisan at the time of the invention to combine the method of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 63, which is dependent on claim 62, Anuff-Forms discloses a method, wherein the user customizable immediate access keystroke combination is a hotkey keystroke combination (Forms, Page 17 lines 8-15).

As per claim 64, which is dependent on claim 62, Anuff-Forms discloses a method, wherein the data record includes personalization data (Anuff, Column 3 lines 58-59).

As per claim 65, which is dependent on claim 62, Anuff-Forms discloses a method, further comprising: delivering the application user interface to the client (Anuff,

Column 13 lines 32-48); and displaying the application user interface at the client using standard web browser protocols (Anuff, Column 13 lines 53-55, *standard HTML*).

As per claim 66, which is dependent on claim 62, Anuff-Forms discloses a method, further including identifying the client, wherein the step of reading data is responsive to the identity of the client (Anuff, Column 13 lines 29-31; *stored as cookies on a client computer*).

As per claim 67, which is dependent on claim 62, Anuff-Forms discloses a method, further including a step of identifying a user, wherein the step of reading data is responsive to the identity of the user (Anuff, Column 13 lines 25-29).

As per independent claim 68, Anuff discloses a method of generating a user customizable application user interface configured for delivery from a server to a client (Column 13 lines 29-31), the method comprising the steps of: receiving a request for the user customizable application user interface from a requestor (Column 13 lines 25-31), the user customizable application user interface including a user interface element (Figure 2); identifying the requester of the user customizable application user interface; accessing a page definition (Column 13 lines 39-41), the page definition including metadata characterizing the requested user customizable application user interface (Column 13 lines 60-65); retrieving a value for characterizing included in the user interface element, using the metadata and the identity of the requester, the value being user modifiable and being stored in a data repository physically remote from the client (Column 13 lines 25-26, 39-41); generating HTML responsive to the value (Column 14 lines 3-6); including the generated HTML in the requested user customizable application

user interface (Column 14 lines 3-6); and delivering the requested user customizable application user interface to the client (Column 14 lines 3-6). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15).

Therefore it would have been obvious to an artisan at the time of the invention to combine the method of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per claim 69, which is dependent on claim 68, Anuff-Forms discloses a method, wherein the customizable immediate access keystroke combination is a customizable hotkey keystroke combination (Forms, Page 17 lines 8-15).

As per claim 70, which is dependent on claim 68, Anuff-Forms discloses a method, further including displaying the user customizable application user interface using standard web browser protocols (Anuff, Column 13 lines 53-55, *standard HTML*).

As per independent claim 71, Anuff discloses a computer readable medium including an Internet application, the internet application comprising: metadata defining an application user interface (Column 13 lines 60-65), the application user interface including a user interface element (Figure 2), the application user interface configured for delivery to a client and configured to operate as an interface between a user and the internet application (Column 13 lines 39-41); a user interface generator configured to generate the application user interface using a user modifiable data record stored in a location physically remote from the client (Column 13 lines 25-26, 39-41), the user modifiable data record configurable to characterize (Column 13 lines 53-57); and a

configuration system configured for a user to modify the user modifiable data record (Column 13 lines 60-65). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the application of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per independent claim 72, a computer readable medium including an internet application, the internet application comprising: an application designer configured to develop an application user interface (Column 13 lines 60-65), the application user interface including a user interface element (Figure 2), the application user interface configured for delivery to a client and configured to operate as an interface between a user and the internet application (Column 13 lines 29-31; *Cookies and visit site*); a user interface generator configured to generate the application user interface using a user modifiable data record stored in a location physically remote from the client (Column 13 lines 25-26, 39-41), the user modifiable data record configurable to characterize the user customizable immediate access keystroke combination (Column 13 lines 53-57); and a configuration system configured for a user to modify the user modifiable data record (Column 13 lines 60-65). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the application of Anuff with

the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

As per independent claim 73, Anuff discloses an application execution system comprising: means for supporting an internet application (Figure 3); means for generating an application user interface using a user modifiable data record configured to store data for characterizing (Column 14 lines 3-6); and means for providing the application user interface to a user (Column 13 lines 53-57), the application user interface including a user interface element (Figure 2), the application user interface configured as an interface between the internet application and the user (Column 13 lines 53-57), the user interface element configured for delivery to a client over a computer network (Column 13 lines 29-31; *cookies and* Column 3 lines 8-11). Anuff fails to distinctly point out a customizable immediate access keystroke combination. However, Forms teaches a customizable immediate access keystroke combination (Page 17 lines 8-15). Therefore it would have been obvious to an artisan at the time of the invention to combine the system of Anuff with the teaching of Forms. Motivation to do so would have been to provide an excellent way to jump to common or frequently-used links.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Oracle Keyboard Shortcuts teaches customizable hotkeys.



- US006266675B1 teaches an internet application system with customizable functionality.
- Elbibas, Developing Web Entry Forms on METADATA teaches using metadata to create HTML forms for the Internet.
- US006134549A teaches personalized profiles with customizable views of a database.
- US006483523B1 teaches a profile with customized browsing capabilities.
- US006362838B1 teaches a portal system for customizing views.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ryan F Pitaro whose telephone number is 571-272-4071. The examiner can normally be reached on 7:00am - 4:30pm Monday through Thursday, and on alternating Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on 571-272-4063. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2174

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RFP

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